

Abstract

The mixture consists of two particulate phases to be used in the production of a green compact that can be sintered at higher temperatures, wherein A) the first phase contains particles that consist of a metal and/or a metal alloy and/or a metal compound; and B) the second phase contains particles selected from the group of the inorganic compounds which at temperatures beyond 400 DEG C do not release any decomposition products that are interstitially soluble in the sintering metal phase and/or react with said phase to form stable compounds.

The mixture is in particular effective in supporting, by means of the second phase, the fine structure of the first phase against the forces of surface tension occurring during the sintering process. During the sintering process, the second phase remains thermally stable and substantially chemically inert with respect to the first phase.